

## XP-002246644

AN - 1988-165169 [25]  
AP - JP19860250428 19861022; JP19860250428 19861022  
CPY - NAGA-N  
DC - L02  
DR - 1544-U 1694-U  
FS - CPI  
IC - C04B38/04  
MC - L02-A L02-G  
PA - (NAGA-N) NAGASAKI KEN  
PN - JP63103877 A 19880509 DW198824 004pp  
- JP2012910B B 19900329 DW199017 000pp  
PR - JP19860250428 19861022  
XA - C1988-073695  
XIC - C04B-038/04  
AB - J63103877 Mullite quality porous compact is made by adding additives to the starting material contg.  $\text{Al}_2\text{O}_3$  and  $\text{SiO}_2$ ; compression moulding and sintering to obtain mullite ( $3\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2$ ). By adding additives to the starting material powder, unreacted or excessive amt. of  $\text{SiO}_2$  is transferred into glass phase and also prodn. of cristobalite is restricted during sintering. Prepn. includes eluting the glass phase using acid to obtain porous compact consisting of mullite acicular crystals.  
- USE - The mullite porous compact is used for filters for industrial use, foam generators, carriers of bioreactors, and catalyst, having fine porous structure and relatively high deflection strength.  
AW - FILTER FOAM GENERATOR  
AKW - FILTER FOAM GENERATOR  
IW - MULLITE QUALITY POROUS COMPACT MANUFACTURE ADD ADDITIVE START MATERIAL CONTAIN OXIDE ALUMINIUM SILICON COMPRESS MOULD SINTER  
IKW - MULLITE QUALITY POROUS COMPACT MANUFACTURE ADD ADDITIVE START MATERIAL CONTAIN OXIDE ALUMINIUM SILICON COMPRESS MOULD SINTER  
NC - 001  
OPD - 1986-10-22  
ORD - 1988-05-09  
PAW - (NAGA-N) NAGASAKI KEN  
TI - Mullite quality porous compact mfr. - by adding additives to starting material contg. oxide(s) of aluminium and silicon, compression moulding and sintering